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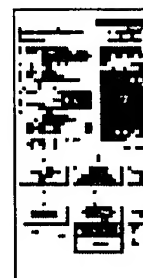
Title: JP5283053A2: SEPARATOR FOR SEALED LEAD-ACID BATTERY

Country: JP Japan

Kind: A

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Priority Number: 1991-03-13 JP1991000048002

Abstract:

PURPOSE: To ensure the low cost, high water retentivity and acid resistance, and low density of a separator without use of glass fiber, and provide a sealed lead-acid battery having large discharge capacity at low temperature, using the separator.

CONSTITUTION: A material mainly comprising a polyolefine synthetic pulp and a binder having a fusion point lower than the synthetic pulp are mixed and formed into a sheet at a dry process. Also, the sheet is subjected to heat treatment at a temperature lower than the fusion point of the pulp, or at a temperature equal to or above the fusion point of the binder, thereby providing a porous mat for a lead-acid battery separator. The polyolefine synthetic pulp preferably has a specific surface area equal to or above 1m²/g on the basis of the BET adsorption method. Also, the separator is subjected to hydrophobic treatment, using the water solution of a surface active agent, thereby enabling the water retentivity of the mat to be all the more improved.

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